ABSTRACT

A controller (31) determines whether, during previous regeneration processing of a filter (41), the previous regeneration processing was interrupted or the previous regeneration processing was completed without interruption. An amount of DPM trapped in the filter (41) is estimated on the basis of a pressure loss in the filter (41) during running following uninterrupted completion of the previous regeneration processing in the previous regeneration processing of the filter (41), whereas the amount of DPM trapped in the filter (41) is estimated on the basis of an amount of discharged DPM during running following an interruption in the previous regeneration processing in the course of the previous regeneration processing of the filter (41).